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IN THE CLAIMS

Amended claims follow:

1. (Currently Amended) A system for changing business processes method ~~for customizing business rules~~ of a business logic application, comprising:

means for serving a content page to a client browser of a client by a server, the content page allowing for entering and modifying of data relating to a business logic rule;

means for generating data by the server according to a predefined format from information received via the content page; and

means for automatically committing the generated data in the predefined format into a database, the database storing data including data relating to business logic rules for implementing business ~~rules~~ logic as entries in the database, the generated data being committed into a corresponding entry in the database;

wherein upon said committing, the committed database business rule entry is ready for execution by the business logic application;

wherein the entering of data includes selectively enabling, conditioning, calibrating, and disabling the business logic rule via the content page provided by the server.

2. (Cancelled)

3. (Currently Amended) The system for changing business processes method ~~for customizing business rules~~ of a business logic application of claim 1, wherein data for each business rule includes general information data, condition data, action data, and schedule data.

4. (Currently Amended) The system for changing business processes method ~~for customizing business rules~~ of a business logic application of claim 1, further comprising means for, prior to said committing, automatically verifying the entry corresponding to the business logic rule in the predefined format using

DTDs (Document Type Definitions).

5. (Currently Amended) The system for changing business processes ~~method for customizing business rules~~ of a business logic application of claim 1, wherein said committing the entered data according to the predefined format includes committing the entered data according to a predefined XML format.

6. (Currently Amended) The system for changing business processes ~~method for customizing business rules~~ of a business logic application of claim 5, further comprising means for, prior to said committing, automatically verifying the entry corresponding to the business logic-rule in the predefined XML format using DTDs (Document Type Definitions).

7. (Currently Amended) The system for changing business processes ~~method for customizing business rules~~ of a business logic application of claim 1, wherein said serving the content page to the client browser includes serving an expression builder content page for entering and modifying of the data relating to the business logic-rule expressed as an expression having symbols to be resolved when an instance of the business rule is one of created and executed by the business logic application.

8. (Currently Amended) The system for changing business processes ~~method for customizing business rules~~ of a business logic application of claim 7, wherein data for each business rule includes schedule data, the schedule data selectively includes schedule expressed as an expression via the expression builder content page.

9. (Currently Amended) The system for changing business processes ~~method for customizing business rules~~ of a business logic application of claim 7, wherein data for each business rule includes action data, the action data selectively includes action data expressed as an expression via the expression builder content page.

10. (Currently Amended) The system for changing business processes ~~method for customizing business rules~~ of a business logic application of claim 7, wherein data for each business rule includes condition data, the condition data selectively includes a condition expressed as an expression via the expression builder content page.

11. (Currently Amended) The system for changing business processes ~~method for customizing business rules~~ of a business logic application of claim 1, wherein said serving the content page to the client browser includes serving a business rules management content page for displaying business rules stored as entries in the database and for allowing one of selecting to create a new business rule and selecting to modify an existing business rule.

12. (Currently Amended) A computer program product for changing business processes ~~customizing business rules~~ of a business logic application, comprising:

- computer code that serves a content page to a client browser of a client, the content page allowing for entering and modifying of data relating to a business logic rule;

- computer code that generates data according to a predefined format from information received via the content page;

- computer code that automatically commits the generated data in the predefined format into a database that stores data including data relating to business logic rules for implementing business rules logic as entries in the database, the computer code commits the generated data into a corresponding entry in the database such that the committed database business rule entry is ready for execution by the business logic application; and

- a computer readable medium that stores said computer codes;

- wherein computer code that serves the content page also allows selectively enabling, conditioning, calibrating, and disabling the business logic rule via the content page.

13. (Cancelled)

14. (Currently Amended) The computer program product for changing business processes ~~customizing business rules~~ of a business logic-application of claim 12, wherein data for each business rule includes general information data, condition data, action data, and schedule data.

15. (Currently Amended) The computer program product for changing business processes ~~customizing business rules~~ of a business logic-application of claim 12, further comprising computer code that automatically verifies the entry corresponding to the business logic-rule in the predefined format using DTDs (Document Type Definitions).

16. (Currently Amended) The computer program product for changing business processes ~~customizing business rules~~ of a business logic-application of claim 12, wherein computer code that commits the entered data according to the predefined format includes computer code that commits the entered data according to a predefined XML format.

17. (Currently Amended) The computer program product for changing business processes ~~customizing business rules~~ of a business logic-application of claim 16, further comprising computer code that automatically verifies the entry corresponding to the business logic-rule in the predefined XML format using DTDs (Document Type Definitions).

18. (Currently Amended) The computer program product for changing business processes ~~customizing business rules~~ of a business logic-application of claim 12, wherein the computer code that serves the content page includes computer code that serves an expression builder content page for entering and modifying of the data relating to the business logic-rule expressed as an expression having symbols to be resolved when an instance of the business rule is one of created and executed by the business logic-application.

19. (Currently Amended) The computer program product for changing

business processes customizing business rules of a business logic application of claim 18, wherein data for each business rule includes schedule data, the schedule data selectively includes schedule expressed as an expression via the expression builder content page.

20. (Currently Amended) The computer program product for changing business processes customizing business rules of a business logic application of claim 18, wherein data for each business rule includes action data, the action data selectively includes action data expressed as an expression via the expression builder content page.

21. (Currently Amended) The computer program product for changing business processes customizing business rules of a business logic application of claim 18, wherein data for each business rule includes condition data, the condition data selectively includes a condition expressed as an expression via the expression builder content page.

22. (Currently Amended) The computer program product for changing business processes customizing business rules of a business logic application of claim 12, wherein the computer code that serves the content page to the client browser includes computer code that serves a business rules management content page for displaying business rules stored as entries in the database and for allowing one of selecting to create a new business rule and selecting to modify an existing business rule.

23. (Currently Amended) A business logic application system adapted for changing business processes associated with a business application customizing business rules, comprising:

- a client having a client browser;
- a database for storing data including data relating to business logic rules for implementing business rules as entries in the database; and
- a server having a web server adapted to serve at least one content page to the client browser for entering and modifying of the data of a business

~~logic~~-rule corresponding to an entry in the database,

wherein said server is adapted to automatically commit an entry corresponding to the business ~~logic~~-rule into the database according to a predefined format after modifications via the content page at said client browser and wherein the committed database business rule entry is ready for execution upon commitment by said server;

wherein each business ~~logic~~-rule can be selectively enabled, conditioned, calibrated, and disabled via the content page provided by the server at the client browser.

24. (Cancelled)

25. (Currently Amended) The business ~~logic~~-application system of claim 23, wherein data for each business rule includes general information data, condition data, action data, and schedule data.

26. (Currently Amended) The business ~~logic~~-application system of claim 23, wherein said server is adapted to verify the entry corresponding to the business ~~logic~~-rule in the predefined format using DTDs (Document Type Definitions).

27. (Currently Amended) The business ~~logic~~-application system of claim 23, wherein the predefined format for committing the entry corresponding to the business ~~logic~~-rule into the database is a predefined XML format.

28. (Currently Amended) The business ~~logic~~-application system of claim 27, wherein said server is adapted to verify the entry corresponding to the business ~~logic~~-rule in the predefined XML format using DTDs (Document Type Definitions).

29. (Currently Amended) The business ~~logic~~-application system of claim 23, wherein said server is further adapted to serve an expression builder content page to the client browser for entering and modifying of the data of the business ~~logic~~-rule expressed as an expression having symbols to be resolved when an

instance of the business rule is one of created and executed.

30. (Currently Amended) The business logic-application system of claim 29, wherein data for each business rule includes schedule data, the schedule data selectively includes a schedule expressed as an expression via the expression builder content page.

31. (Currently Amended) The business logic-application system of claim 29, wherein data for each business rule includes action data, the action data selectively includes action data expressed as an expression via the expression builder content page.

32. (Currently Amended) The business logic-application system of claim 29, wherein data for each business rule includes condition data, the condition data selectively includes a condition expressed as an expression via the expression builder content page.

33. (Currently Amended) The business logic-application system of claim 23, wherein said server is further adapted to serve a business rules management content page to the client browser for displaying business rules stored as entries in the database and for allowing one of selecting to create a new business rule and selecting to modify an existing business rule.

34. (Currently Amended) An application/web server for implementing a business logic-application system adapted for changing business processes associated with a business application customizing business rules, comprising:

a web server in communication with a client browser of a client and adapted to serve at least one non-programmatic interactive user page to the client browser for obtaining data for a customized business logic-rule; and

an application server in communication with a database containing data relating to business logic-rules for implementing business rules logic-as entries in the database, wherein the data obtained for the customized business logic-rule corresponds to an entry in the database,



wherein the application server is adapted to dynamically and automatically commit the data as an entry corresponding to the customized business logic-rule into the database in a predefined format after obtaining the data via the user page at said client browser and wherein the committed database business rule entry is ready for execution upon commitment by said application server;

wherein each business logic-rule in the database can be selectively enabled, conditioned, calibrated, and disabled via the at least one non-programmatic interactive user page.

35. (Currently Amended) The application/web server for implementing a business logic-application system of claim 34, wherein said application server is adapted to verify the entry corresponding to the customized business logic-rule in the predefined format using DTDs (Document Type Definitions).

36. (Currently Amended) The application/web server for implementing a business logic-application system of claim 34, wherein the predefined format for committing the entry corresponding to the business logic-rule into the database is a predefined XML format.

37. (Currently Amended) The application/web server for implementing a business logic-application system of claim 36, wherein said application server is adapted to verify the entry corresponding to the business logic-rule in the predefined XML format using DTDs (Document Type Definitions).

38. (Cancelled)

39. (Currently Amended) The application/web server for implementing a business logic-application system of claim 34, wherein data for each business rule includes general information data, condition data, action data, and schedule data.

40. (Currently Amended) The application/web server for implementing a business logic-application system of claim 34, wherein the at least one non-

programmatic interactive user page includes a business rules management page for displaying business rules stored as entries in the database and for allowing one of selecting to create a new business rule and selecting to modify an existing business rule.

41. (Currently Amended) The application/web server for implementing a business logic-application system of claim 34, wherein the at least one non-programmatic interactive user page includes an expression builder page expressing data of the business logic-rule as an expression having at least one symbol that is to be resolved when an instance of the business rule is one of created and executed.

42. (Currently Amended) The application/web server for implementing a business logic-application system of claim 41, wherein data for each business rule includes schedule data, the schedule data selectively includes a schedule expressed as an expression via the expression builder page.

43. (Currently Amended) The application/web server for implementing a business logic-application system of claim 41, wherein data for each business rule includes action data, the action data selectively includes action data expressed as an expression via the expression builder page.

44. (Currently Amended) The application/web server for implementing a business logic-application system of claim 41, wherein data for each business rule includes condition data, the condition data selectively includes a condition expressed as an expression via the expression builder page.

45. (Currently Amended) A ~~method~~system for processing business logic rules of a business-process-system and changing business processes associated with a business application, comprising:

means for writing an event job into a job queue for each occurrence of an event having at least one business rule based on occurrence thereof;

means for creating a business rule instance for each business rule

corresponding to the event job;

means for testing conditions of each business instance;

means for writing the business rule instance into the job queue

corresponding to each business instance for which the conditions testing succeeds;

means for deleting the event job from the job queue;

means for executing the business rule instance; and

means for deleting the business rule instance from the job queue;

wherein the business logic-rules can be selectively enabled,

conditioned, calibrated, and disabled via a content page provided by a server at a client browser.

46. (Currently Amended) The methodsystem for processing business logic-rules of claim 45, further comprising means for scheduling the business rule instance, wherein said executing the business rule instance is according to said scheduling.

47. (Currently Amended) The methodsystem for processing business logic-rules of claim 46, wherein said scheduling the business rule instance is selected from the group consisting of delaying job execution, rescheduling job execution, scheduling repeat executions, and suspending execution.

48. (Currently Amended) The methodsystem for processing business logic-rules of claim 45, wherein said executing the business rule instance comprises:

testing conditions of the business rule instance;

if the instance conditions testing fails, deleting the business rule instance from the job queue; and

if the instance conditions testing succeeds:

executing actions specified by the business rule instance, and

deleting the business rule instance from the job queue.

49. (Currently Amended) The methodsystem for processing business logic-rules of claim 48, wherein said executing actions specified by the business

rule instance comprises:

scheduling execution using an execution schedule as determined according to scheduling data of the business rule instance; and  
executing actions specified by the business rule instance according to the execution schedule.

50. (Currently Amended) The methodsystem for processing business logic-rules of claim 45, further comprising means for resolving embedded pre-queue symbols in expressions of the event job corresponding to the business rule.

51. (Currently Amended) The methodsystem for processing business logic-rules of claim 50, wherein said resolving embedded pre-queue symbols in expressions of the event job comprises:

parsing the expression hierarchically; and  
resolving the symbols in a recursive manner.

52. (Currently Amended) The methodsystem for processing business logic-rules of claim 45, further comprising means for resolving embedded post-queue symbols in expressions of the business rule instance.

53. (Currently Amended) The methodsystem for processing business logic-rules of claim 52, wherein said resolving embedded post-queue symbols in expressions of the business rule instance comprises:

parsing the expression hierarchically; and  
resolving the symbols in a recursive manner.

54. (Currently Amended) The methodsystem for processing business logic-rules of claim 45, further comprising:

means for monitoring for incoming notification events; and  
means for reporting the incoming notification events to the business process system.

55. (Currently Amended) The methodsystem for processing business

logic-rules of claim 45, wherein said executing the business rule instance includes selectively transmitting an outgoing notification.

56. (Currently Amended) The ~~method~~system for processing business logic-rules of claim 55, wherein the outgoing notification is selected from the group consisting of mail, pager notification, Telalert, and NT network message notifications.

57. (Currently Amended) A business logic-application system for implementing business logic-rules and changing business processes associated with a business application, comprising:

a job queue module for maintaining a job queue and processing jobs in the job queue; and

a notification module in communication with said job queue module for monitoring for incoming notification events and reporting the incoming notification events to the job queue module,

wherein said job queue module writes an event job corresponding to a business logic-rule to the job queue upon receiving an incoming notification event that matches a triggering event of the business logic-rule,

said job queue module tests conditions of the business logic-rule corresponding to the event job, deletes the event job from the job queue, and, if conditions of the business logic-rule are met, writes a business rule instance to the job queue, and

said job queue module processes the business rule instance and deletes the business rule instance from the job queue;

wherein the business logic-rules can be selectively enabled, conditioned, calibrated, and disabled via a content page provided by a server at a client browser.

58. (Currently Amended) The business logic-application system of claim 57, wherein the job queue module processes the business rule instance by scheduling the business rule instance and executing the business rule instance is according to the scheduling.

59. (Currently Amended) The business logic-application system of claim 58, wherein the scheduling by the job queue module is selected from the group consisting of delaying job execution, rescheduling job execution, scheduling repeat executions, and suspending execution.

60. (Currently Amended) The business logic-application system of claim 57, wherein the job queue module processes the business rule instance includes testing conditions of the business rule instance, executing actions specified by the business rule instance if the conditions testing succeeds, and deleting the business rule instance from the job queue.

61. (Currently Amended) The business logic-application system of claim 60, wherein the job queue module executes actions specified by the business rule instance includes scheduling execution according to scheduling data of the business rule instance and executing actions specified by the business rule instance according to the execution scheduling.

62. (Currently Amended) The business logic-application system of claim 57, wherein the job queue module resolves any embedded pre-queue symbols in expressions of the event job corresponding to the business rule.

63. (Currently Amended) The business logic-application system of claim 62, wherein the job queue module resolves embedded pre-queue symbols by parsing the expression hierarchically and resolving the symbols in a recursive manner.

64. (Currently Amended) The business logic-application system of claim 57, wherein the job queue resolves, any embedded post-queue symbols in expressions of the business rule instance.

65. (Currently Amended) The business logic-application system of claim 64, wherein the job queue module resolves embedded post-queue symbols by

parsing the expression hierarchically and resolving the symbols in a recursive manner.

66. (Currently Amended) The business logic-application system of claim 57, wherein the notification module monitors for incoming notification events and reports the incoming notification events to the job queue module.

67. (Currently Amended) The business logic-application system of claim 57, wherein the job queue module processes the business rule instance by selectively transmitting an outgoing notification to the notification module.

68. (Currently Amended) The business logic-application system of claim 67, wherein the notification module processes an outgoing notification task received from the job queue module by sending out a notification selected from the group consisting of mail, pager notification, Telalert and NT network message notifications.